

J. G. YOUNG, Jr.

Sail-Hanks.

No. 135,055.

Patented Jan. 21, 1873.

Fig. 1.

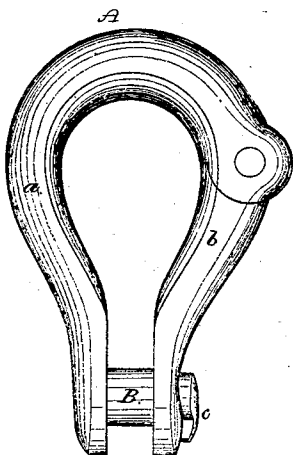


Fig. 2.

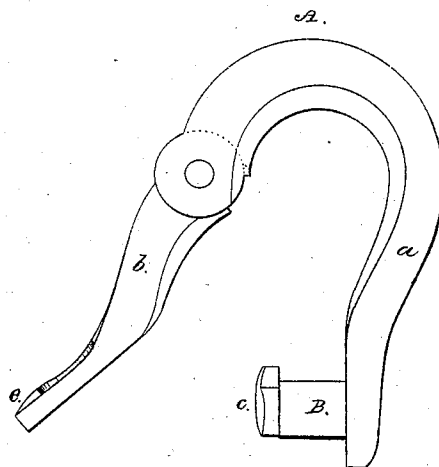
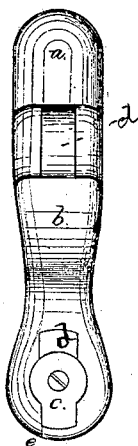


Fig. 3.



Witnesses.

Geo Pond

F. C. Hale

John. G. Young, Jr.

by his attorney.

F. C. Hale

UNITED STATES PATENT OFFICE.

JOHN G. YOUNG, JR., OF BOSTON, MASSACHUSETTS.

IMPROVEMENT IN SAIL-HANKS.

Specification forming part of Letters Patent No. 135,055, dated January 21, 1873.

To all whom it may concern:

Be it known that I, JOHN G. YOUNG, JR., of Boston, in the county of Suffolk and State of Massachusetts, have invented an Improved Sail-Hank, of which the following is a specification:

My invention relates that class of devices used on shipboard in connecting a jib or stay sail with its "stay," the object thereof being to produce a simple, strong, and effective device by which the jib or sail can be readily connected with a "stay" or detached therefrom, as circumstances may require.

Hanks as ordinarily constructed are liable to serious objections, such not only involving a great expenditure of time, labor, and expense in "seizing" or securing them to the stay and sail, but the lashing or seizing often becomes so chafed and worn as to destroy the connection, whereby not only is the sail rendered loose, but the hank, becoming disconnected, is often lost overboard. My invention is designed to remedy these evils; and consists in the peculiar construction and arrangement of the several parts, as hereinafter described, whereby all lashing-yarn is dispensed with, and a secure, reliable, and easily-manipulated fastening substituted therefor.

In the said drawing, A denotes the body of the hank, which is made of iron or other suitable metal or material, and consists of two parts, *a b*, the latter being so hinged to the former as to be readily opened and turned back into the position as shown in Fig. 2, in order to allow the stay to be introduced into the eye of the hank. B is a short cylindrical stud or bolt, which is firmly secured to the superior part *a*, such bolt being disposed near the outer end thereof and extending inward at a right angle, as shown in the drawing. To the outer end of the bolt B a turn-button, *c*, having the form as shown in Fig. 3, is pivoted. *d* is an elongated hole made transversely through the part *b* and near the end thereof, such hole being of such shape as to receive the bolt and allow it and the turn-button or

fastening-clamp to pass through the same when the corresponding part of the hole and the button are brought into coincidence; after having passed through the hole the button is to be rotated one hundred and eighty degrees. or until it abuts against a shoulder, *e*, disposed on the part *b*, as shown in the drawing.

Having described the nature and construction of my invention, its operation is as follows:

In connecting a sail to a "stay" with my improved hank, the part *b* of the latter is to be turned back into the position as shown in Fig. 2; the two arms of the hank are next made to straddle the wire rope or stay; the eyeleted edge of the sail is next to be drawn up toward the stay, and between the arms of the hank, and so that one of the thimbles or eyelet-holes shall be in line with the axis of the bolt, when the latter is to be forced through the same; the part *b* is next closed, the bolt and the button passing through the said part a sufficient distance to allow it to project beyond the outer face of the arm, when, by rotating the button one-half a circle, or until it abuts against the shoulder *e*, the hank will be securely locked or fastened. In disconnecting the hank from the stay and sail we have simply to turn the button until its wing comes into correspondence with the elongated part of the hole in the part *b*, when the latter may be readily drawn back and the hank removed.

Having described the nature, construction, and operation of my invention, what I claim is as follows:

As an improved article of manufacture, the above-described sail-hank, consisting of the parts *a b*, the bolt B, and turn-button or fastener *c*, constructed, arranged, and applied together, substantially in manner as shown and described.

JOHN G. YOUNG, JR.

Witnesses:

F. P. HALE,
F. C. HALE.